

Name: _____

pb1103: Factoring when $a = \text{prime}$ (v35)

1. Factor the expression $3x^2 - 29x + 56$

$$(3x - 8)(x - 7)$$

2. Factor the expression $11x^2 - 108x + 81$

$$(11x - 9)(x - 9)$$

3. Factor the expression $2x^2 - 5x - 42$

$$(2x + 7)(x - 6)$$

4. Factor the expression $3x^2 + 7x - 40$

$$(3x - 8)(x + 5)$$

5. Factor the expression $2x^2 + 3x - 54$

$$(2x - 9)(x + 6)$$

6. Factor the expression $11x^2 - 3x - 8$

$$(11x + 8)(x - 1)$$

7. Factor the expression $5x^2 - 13x - 6$

$$(5x + 2)(x - 3)$$

8. Factor the expression $5x^2 - 12x + 4$

$$(5x - 2)(x - 2)$$

9. Factor the expression $3x^2 - 2x - 21$

$$(3x + 7)(x - 3)$$

10. Factor the expression $7x^2 + 18x + 8$

$$(7x + 4)(x + 2)$$